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Search Results - Record(s) 1 through 10 of 19 returned.

☐ 1. Document ID: JP 2004085222 A

Using default format because multiple data bases are involved.

L38: Entry 1 of 19

File: JPAB

Mar 18, 2004

PUB-NO: JP02004085222A

DOCUMENT-IDENTIFIER: JP 2004085222 A

TITLE: POSITIONING APPARATUS OF MOBILE UNIT, POSITIONING METHOD, AND COMPUTER PROGRAM

PUBN-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME

COUNTRY

TAKEMURA, HAJIME

INT-CL (IPC): G01 S 5/14; G01 C 21/00; G08 G 1/0969; H04 Q 7/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw De
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☐ 2. Document ID: JP 2003043125 A

L38: Entry 2 of 19

File: JPAB

Feb 13, 2003

PUB-NO: JP02003043125A

DOCUMENT-IDENTIFIER: JP 2003043125 A

TITLE: SATELLITE COMMUNICATION DEVICE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw De
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☐ 3. Document ID: JP 2003016587 A

L38: Entry 3 of 19

File: JPAB

Jan 17, 2003

PUB-NO: JP02003016587A

DOCUMENT-IDENTIFIER: JP 2003016587 A

TITLE: SYSTEM FOR PROVIDING TRAVEL INFORMATION

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw De
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☐ 4. Document ID: JP 2002341011 A

L38: Entry 4 of 19

File: JPAB

Nov 27, 2002

PUB-NO: JP02002341011A

DOCUMENT-IDENTIFIER: JP 2002341011 A

TITLE: POSITION MEASURING DEVICE, NAVIGATION SYSTEM, POSITION MEASURING METHOD AND NAVIGATION METHOD

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 5. Document ID: JP 2000270125 A

L38: Entry 5 of 19

File: JPAB

Sep 29, 2000

PUB-NO: JP02000270125A

DOCUMENT-IDENTIFIER: JP 2000270125 A

TITLE: PORTABLE RADIO TERMINAL AND EMERGENCY INFORMATION REPORTING SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 6. Document ID: JP 2000182199 A

L38: Entry 6 of 19

File: JPAB

Jun 30, 2000

PUB-NO: JP02000182199A

DOCUMENT-IDENTIFIER: JP 2000182199 A

TITLE: SHIP COURSE MONITORING SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 7. Document ID: JP 11125666 A

L38: Entry 7 of 19

File: JPAB

May 11, 1999

PUB-NO: JP411125666A

DOCUMENT-IDENTIFIER: JP 11125666 A

TITLE: GPS RECEIVER

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 8. Document ID: JP 08068642 A

L38: Entry 8 of 19

File: JPAB

Mar 12, 1996

PUB-NO: JP408068642A

DOCUMENT-IDENTIFIER: JP 08068642 A

TITLE: GPS NAVIGATION SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 9. Document ID: JP 63040878 A

L38: Entry 9 of 19

File: JPAB

Feb 22, 1988

PUB-NO: JP363040878A

DOCUMENT-IDENTIFIER: JP 63040878 A

TITLE: GPS POSITION MEASURING INSTRUMENT

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn De
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☐ 10. Document ID: GB 2295063 A

L38: Entry 10 of 19

File: EPAB

May 15, 1996

PUB-NO: GB002295063A

DOCUMENT-IDENTIFIER: GB 2295063 A

TITLE: Monitoring GPS ephemeris data

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn De
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Terms	Documents
(compar\$ with position) and gps and predict\$	19

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Search Results - Record(s) 11 through 19 of 19 returned.

☐ 11. Document ID: JP 2004085222 A

L38: Entry 11 of 19

File: DWPI

Mar 18, 2004

DERWENT-ACC-NO: 2004-309320

DERWENT-WEEK: 200429

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TITLE: Vehicle position detecting apparatus e.g. for aircraft, compares predicted distance and distance of vehicle and global positioning system satellite measured using GPS signal, to determine vehicle present position

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 12. Document ID: JP 3651678 B2, JP 2004077228 A

L38: Entry 12 of 19

File: DWPI

May 25, 2005

DERWENT-ACC-NO: 2004-298565

DERWENT-WEEK: 200539

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TITLE: Autonomous positioning method for navigation apparatus, involves predicting future position data by comparing current position data so as to define position of imaginary station

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 13. Document ID: US 6041280 A

L38: Entry 13 of 19

File: DWPI

Mar 21, 2000

DERWENT-ACC-NO: 2000-292317

DERWENT-WEEK: 200025

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: GPS position information updating method for vehicle navigation, involves indicating location of vehicle at time of turn indication, by updating estimated position of vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 14. Document ID: ES 2234274 T3, WO 9942581 A1, AU 9932946 A, BR 9908096 A, EP 1056858 A1, CN 1291229 A, JP 2002504330 W, US 20020028470 A1, MX 2000008114 A1, US 20020172982 A1, AU 763247 B, EP 1056858 B1, DE 69922489 E

L38: Entry 14 of 19

File: DWPI

Jun 16, 2005

DERWENT-ACC-NO: 1999-527476

DERWENT-WEEK: 200545

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TITLE: New recombinant human zona pellucida protein 3 - used to develop products for diagnostic and therapeutic use related to human fertility

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 15. Document ID: US 5710423 A

L38: Entry 15 of 19

File: DWPI

Jan 20, 1998

DERWENT-ACC-NO: 1998-109915

DERWENT-WEEK: 199905

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Light sensitive interceptor missile to target guiding method - using one interceptor to fly-by object in order to track object while second missile intercepts object

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 16. Document ID: EP 810496 A2, ES 2160306 T3, FR 2749419 A1, EP 810496 B1, DE 69705465 E

L38: Entry 16 of 19

File: DWPI

Dec 3, 1997

DERWENT-ACC-NO: 1998-011226

DERWENT-WEEK: 200175

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TITLE: Identification and location of fixed objects along route of vehicle - involves reference comparisons of successive images for calculation of position in terrestrial frame of reference from filtered measurements

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 17. Document ID: GB 2295063 A, GB 2295063 B

L38: Entry 17 of 19

File: DWPI

May 15, 1996

DERWENT-ACC-NO: 1996-224062

DERWENT-WEEK: 199715

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TITLE: Mining vehicle position determination appts. - receives navigation signals from several satellites orbiting Earth, computes position based on ephemeris data and pseudo-ranges computed from navigation signals, and monitors if any ephemeris data is corrupt

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 18. Document ID: WO 9426783 A1

L38: Entry 18 of 19

File: DWPI

Nov 24, 1994

DERWENT-ACC-NO: 1995-006705

DERWENT-WEEK: 199748

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TITLE: Analysis and modification of protein structure - by identification of favoured and suppressed patterns of hydrophobic amino acid residues

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 19. Document ID: JP 3408593 B2, GB 2271902 A, DE 4335818 A1, US 5430657 A, GB 2271902 B

L38: Entry 19 of 19

File: DWPI

May 19, 2003

DERWENT-ACC-NO: 1994-120953

DERWENT-WEEK: 200334

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TITLE: Satellite position prediction in GPS e.g. NAVSTAR navigation system - receiving navigation signals from satellite, determining mean satellite positions from navigation signals, computing orbital parameters for satellite

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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(compar\$ with position) and gps and predict\$

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L38: Entry 12 of 19

File: DWPI

May 25, 2005

DERWENT-ACC-NO: 2004-298565

DERWENT-WEEK: 200539

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Autonomous positioning method for navigation apparatus, involves predicting future position data by comparing current position data so as to define position of imaginary station

PATENT-ASSIGNEE: NIPPON DENSHI KAIHATSU KK (NIDEN)

PRIORITY-DATA: 2002JP-0236137 (August 13, 2002)

Search Selected

Search ALL

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 3651678 B2	May 25, 2005		012	G01S005/14
<input type="checkbox"/> JP 2004077228 A	March 11, 2004		011	G01S005/14

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3651678B2	August 13, 2002	2002JP-0236137	
JP 3651678B2		JP2004077228	Previous Publ.
JP2004077228A	August 13, 2002	2002JP-0236137	

INT-CL (IPC): [G01 S 5/14](#)

ABSTRACTED-PUB-NO: JP2004077228A

BASIC-ABSTRACT:

NOVELTY - Positional data related to a navigation apparatus is acquired from global positioning system (GPS) satellites (GS1-GS5). The current position data is compared with set data to predict the future position data. Based on the assessed values, the position of an imaginary station is defined. The positioning go apparatus is performed using the imaginary position data and reference data.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) an autonomous positioning program; and
- (2) an autonomous navigation apparatus.

USE - For automatic positioning of automatic navigation apparatus (claimed), personal digital assistant (PDA) using GPS satellites.

ADVANTAGE - Ensures optimized positioning of apparatus independent of base station by performing the real-time calculations accurately.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory diagram of automatic navigation apparatus. (Drawing includes non-English language text).

positioning apparatus 10

GPS receiver 20

satellites GS1-GS4

ABSTRACTED-PUB-NO: JP2004077228A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/8

DERWENT-CLASS: S02 T01 W06

EPI-CODES: S02-B08C; S02-B08G; T01-J07D3A; T01-S03; W06-A03A5C;

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L38: Entry 19 of 19

File: DWPI

May 19, 2003

DERWENT-ACC-NO: 1994-120953
DERWENT-WEEK: 200334
COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Satellite position prediction in GPS e.g. NAVSTAR navigation system -
receiving navigation signals from satellite, determining mean satellite positions
from navigation signals, computing orbital parameters for satellite

INVENTOR: KYRTSOS, C T

PATENT-ASSIGNEE: CATERPILLAR INC (CATE)

PRIORITY-DATA: 1992US-0963677 (October 20, 1992)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 3408593 B2	May 19, 2003		018	G01S005/14
<input type="checkbox"/> GB 2271902 A	April 27, 1994		040	G01S001/02
<input type="checkbox"/> DE 4335818 A1	April 21, 1994		024	G01C021/02
<input type="checkbox"/> US 5430657 A	July 4, 1995		020	G01S005/06
<input type="checkbox"/> GB 2271902 B	November 20, 1996		001	G01S001/02

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3408593B2	October 20, 1993	1993JP-0262511	
JP 3408593B2		JP 6201812	Previous Publ.
GB 2271902A	October 20, 1993	1993GB-0021646	
DE 4335818A1	October 20, 1993	1993DE-4335818	
US 5430657A	October 20, 1992	1992US-0963677	
GB 2271902B	October 20, 1993	1993GB-0021646	

INT-CL (IPC): G01C 3/00; G01C 21/02; G01S 1/02; G01S 1/04; G01S 5/06; G01S 5/10;
G01S 5/12; G01S 5/14

RELATED-ACC-NO: 1996-224062

ABSTRACTED-PUB-NO: GB 2271902A
BASIC-ABSTRACT:

The orbital parameters are computed for each satellite (102), and are used to

predict the position of each satellite at any time. Subsequent ephemeris data is compared to predicted satellite position to determine whether the ephemeris is corrupt. The orbital parameters are determined by calculating a pseudo-range and a velocity for a selected satellite several times, calculating at least three estimated positions of the satellite from pseudoranges and velocities and computing orbital parameters for the satellite from three estimated positions.

Alternatively, the orbital parameters are determined from the position of a receiver using a satellite constellation, triangulating on an average position for the selected satellite in the constellation, repeating until at least three main satellite positions have been computed, and calculating the orbital parameters from the mean positions of the selected satellite.

USE/ADVANTAGE - Eg for autonomous mining truck vehicle. Determines position of satellite without reliance on satellite ephemeris data, which may be corrupt.

ABSTRACTED-PUB-NO: GB 2271902B
EQUIVALENT-ABSTRACTS:

A method of determining, at a user location, the position of a satellite in a satellite-based navigation system using a receiver having a known position, the method comprising the steps of: receiving, from the satellite, a number of navigation signals at the receiver; determining a number of mean satellite positions from the navigation signals; computing orbital parameters for the satellite from the number of mean satellite positions; and predicting, for use by a user the position of the satellite at a time t_n from the orbital parameters.

US 5430657A

The method involves computing orbital parameters for each satellite. The orbital parameters can then be used to predict the position of each satellite at any time. Subsequent ephemeris data may be compared to a predicted satellite position to determine whether the ephemeris data is corrupt. The orbital parameters may be determined by: computing a pseudorange and a velocity for a selected satellite for a number of times, computing at least three estimated positions of the satellite from the pseudo ranges and velocities, and computing orbital parameters for the satellite from the three estimated positions.

Alternatively, the orbital parameters are determined by determining the position of a receiver for at least three times using a constellation of satellites, using the three receiver positions to triangulate on an average position for the selected satellite in the constellation, repeating these steps until at least three mean satellite positions have been computed, computing the orbital parameters from the three mean positions of the selected satellite.

ADVANTAGE - Position of satellite in satellite based navigation system is determined without reliance on satellite ephemeris data.

CHOSEN-DRAWING: Dwg.8/10 Dwg.1 Dwg.7/10

DERWENT-CLASS: W06
EPI-CODES: W06-A03A;

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L32: Entry 5 of 29

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050125148

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050125148 A1

TITLE: Prediction of vehicle operator destinations

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Van Buer, Darrel J.	Los Angeles	CA	US
Johnson, Richard A.	Rochester Hills	MI	US
Dao, Son K.	Northridge	CA	US
Simon, Andrea Marie	Walled Lake	MI	US

APPL-NO: 10/730642 [PALM]

DATE FILED: December 8, 2003

INT-CL: [07] G01 C 21/34

US-CL-PUBLISHED: 701/209; 340/995.19

US-CL-CURRENT: 701/209; 340/995.19

22-23

REPRESENTATIVE-FIGURES: 1

2

ABSTRACT:

A method for predicting vehicle operator destinations including receiving vehicle position data for a vehicle. The vehicle position data for a current trip is compared to vehicle position data for a previous trip to predict a destination for the vehicle. A path to the destination is suggested.

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Search Results - Record(s) 1 through 10 of 29 returned.

☐ 1. Document ID: US 20050195092 A1

Using default format because multiple data bases are involved.

L32: Entry 1 of 29

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050195092

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050195092 A1

TITLE: Notification control device, its system, its method, its program, recording medium storing the program, and travel support device

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Takahashi, Kazuya	Kawasaki-shi		JP
Hashimoto, Motoji	Tokyo		JP
Isozaki, Fumio	Tokyo		JP

US-CL-CURRENT: 340/692; 340/384.5, 340/384.6, 340/384.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20050159863 A1

L32: Entry 2 of 29

File: PGPB

Jul 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050159863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050159863 A1

TITLE: Method and system to transfer and to display location information about an object.

PUBLICATION-DATE: July 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Howard, William Brant	Parker	CO	US
Main, James David III	Centennial	CO	US

US-CL-CURRENT: 701/37

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 3. Document ID: US 20050137795 A1

L32: Entry 3 of 29

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050137795

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050137795 A1

TITLE: Navigation system

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sakamoto, Kiyomi	Ikoma		JP
Nomura, Noboru	Kyoto		JP
Kubota, Shinji	Daito		JP

US-CL-CURRENT: 701/211; 340/995.1, 340/995.27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 4. Document ID: US 20050131631 A1

L32: Entry 4 of 29

File: PGPB

Jun 16, 2005

PGPUB-DOCUMENT-NUMBER: 20050131631

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050131631 A1

TITLE: Guiding device, system thereof, method thereof, program thereof and recording medium storing the program

PUBLICATION-DATE: June 16, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nakano, Toshiaki	Tokyo		JP
Amano, Kouji	Tokyo		JP

US-CL-CURRENT: 701/200; 701/211

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 5. Document ID: US 20050125148 A1

L32: Entry 5 of 29

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050125148
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050125148 A1

TITLE: Prediction of vehicle operator destinations

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Van Buer, Darrel J.	Los Angeles	CA	US
Johnson, Richard A.	Rochester Hills	MI	US
Dao, Son K.	Northridge	CA	US
Simon, Andrea Marie	Walled Lake	MI	US

US-CL-CURRENT: 701/209; 340/995.19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 6. Document ID: US 20050096839 A1

L32: Entry 6 of 29

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050096839
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050096839 A1

TITLE: Traffic-condition notifying device, its system, its method, its program and recording medium storing the program

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nakano, Toshiaki	Tokyo		JP
Amano, Kouji	Tokyo		JP

US-CL-CURRENT: 701/200; 340/995.13, 701/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 7. Document ID: US 20050090974 A1

L32: Entry 7 of 29

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090974
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050090974 A1

TITLE: Traffic condition notifying device, system thereof, method thereof, program thereof and recording medium storing the program

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hirose, Koji	Tokyo		JP

US-CL-CURRENT: 701/208; 340/995.13, 701/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 20050075119 A1

L32: Entry 8 of 29

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050075119

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050075119 A1

TITLE: Method and system for dynamic estimation and predictive route generation

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sheha, Michael A.	Laguna Niguel	CA	US
Sheha, Angie	Laguna Niguel	CA	US
Petilli, Stephen	Laguna Niguel	CA	US
Yarlagadda, Arun	Irvine	CA	US

US-CL-CURRENT: 455/456.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 20050071081 A1

L32: Entry 9 of 29

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050071081

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050071081 A1

TITLE: GUIDING DEVICE, SYSTEM THEREOF, METHOD THEREOF, PROGRAM THEREOF AND RECORDING MEDIUM STORING THE PROGRAM

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
HIROSE, Koji	Meguro-ku, Tokyo		JP
SUZUKI, Nobuaki	Meguro-ku, Tokyo		JP

US-CL-CURRENT: 701/210; 340/995.13, 340/995.19, 701/209

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 10. Document ID: US 20050049900 A1

L32: Entry 10 of 29

File: PGPB

Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050049900

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050049900 A1

TITLE: Information providing apparatus, system, method, and program for the same, and recording medium with the program recorded therein

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hirose, Koji	Tokyo		JP
Suzuki, Nobuaki	Tokyo		JP

US-CL-CURRENT: 705/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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Bkwd Refs

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Terms

Documents

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29

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Search Results - Record(s) 11 through 20 of 29 returned.

☐ 11. Document ID: US 20050027448 A1

Using default format because multiple data bases are involved.

L32: Entry 11 of 29

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050027448

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050027448 A1

TITLE: DEVICE, SYSTEM, METHOD AND PROGRAM FOR NOTIFYING TRAFFIC CONDITION AND RECORDING MEDIUM STORING SUCH PROGRAM

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
TAKENAGA, Takashi	Tokyo		JP
AMANO, Kouji	Tokyo		JP

US-CL-CURRENT: 701/211; 340/905, 340/995.13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 12. Document ID: US 20050027447 A1

L32: Entry 12 of 29

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050027447

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050027447 A1

TITLE: DEVICE, SYSTEM, METHOD AND PROGRAM FOR NAVIGATION AND RECORDING MEDIUM STORING THE PROGRAM

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hirose, Koji	Tokyo		JP
Suzuki, Nobuaki	Tokyo		JP

US-CL-CURRENT: 701/210; 340/995.21, 701/209

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 13. Document ID: US 20050027437 A1

L32: Entry 13 of 29

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050027437

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050027437 A1

TITLE: Device, system, method and program for notifying traffic condition and recording medium storing the program

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Takenaga, Takashi	Tokyo		JP
Amano, Kouji	Tokyo		JP

US-CL-CURRENT: 701/117; 455/414.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 14. Document ID: US 20050027434 A1

L32: Entry 14 of 29

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050027434

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050027434 A1

TITLE: INFORMATION PROCESSING DEVICE, SYSTEM THEREOF, METHOD THEREOF, PROGRAM THEREOF AND RECORDING MEDIUM STORING SUCH PROGRAM

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
HIROSE, Koji	Tokyo		JP

US-CL-CURRENT: 701/117; 340/995.13, 455/414.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 15. Document ID: US 20040124977 A1

L32: Entry 15 of 29

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040124977

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040124977 A1

TITLE: Rule based proximity and time based tracking system

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Biffar, Peter	Palo Alto	CA	US

US-CL-CURRENT: 340/539.13; 340/573.1, 340/825.49

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 16. Document ID: US 20040006423 A1

L32: Entry 16 of 29

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040006423
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040006423 A1

TITLE: Method and system for maneuvering movable object

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujimoto, Hiroaki	Kobe-Shi		JP
Kohnno, Yukinobu	Kako-Gun		JP
Higashi, Masaaki	Kobe-Shi		JP
Hamamatsu, Masanori	Kobe-Shi		JP
Nakashima, Kenichi	Kobe-Shi		JP
Saito, Yasuo	Suita-Shi		JP
Ohnishi, Hiroshi	Kobe		JP

US-CL-CURRENT: 701/201; 701/21, 701/210

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 17. Document ID: US 20030191585 A1

L32: Entry 17 of 29

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191585
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030191585 A1

TITLE: Navigation system

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sakamoto, Kiyomi	Ikoma		JP
Nomura, Noboru	Kyoto		JP
Kubota, Shinji	Daito		JP

US-CL-CURRENT: 701/211; 340/995.27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 18. Document ID: US 20020175832 A1

L32: Entry 18 of 29

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020175832

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020175832 A1

TITLE: Parking assistance apparatus

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mizusawa, Kazufumi	Kawasaki-shi		JP
Okamoto, Shusaku	Osaka		JP
Yoshida, Takashi	Ikoma-shi		JP
Iida, Ryosuke	Yokohama-shi		JP
Hirama, Yuichi	Yokohama-shi		JP

US-CL-CURRENT: 340/932.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 19. Document ID: US 20010056396 A1

L32: Entry 19 of 29

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056396

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010056396 A1

TITLE: Auction methods, auction systems and servers

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Goino, Tadashi

Nagano-ken

JP

US-CL-CURRENT: 705/37; 705/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw De
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☐ 20. Document ID: US 6882933 B2

L32: Entry 20 of 29

File: USPT

Apr 19, 2005

US-PAT-NO: 6882933

DOCUMENT-IDENTIFIER: US 6882933 B2

TITLE: Method and system for providing information for a mobile terminal and a mobile terminal

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw De
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L27: Entry 1 of 1

File: USPT

Apr 9, 2002

US-PAT-NO: 6370126

DOCUMENT-IDENTIFIER: US 6370126 B1

**** See image for Certificate of Correction ****

TITLE: Mobile satellite communications system with local and global network

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Baere; Jan	Zundert			NL
Hart; Nicholas	Wahroonga			AU

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Inmarsat, Ltd.				GB	03

APPL-NO: 08/836128 [PALM]

DATE FILED: August 28, 1997

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	9423950	November 18, 1994

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/GB95/01087	May 12, 1995	WO96/16488	May 30, 1996	Aug 28, 1997	Aug 28, 1997

INT-CL: [07] H04 B 7/185

US-CL-ISSUED: 370/316; 370/354, 370/401, 379/221, 455/12.1

US-CL-CURRENT: 370/316; 370/354, 370/401, 379/221.01, 455/12.1

FIELD-OF-SEARCH: 370/235, 370/236, 370/316, 370/324, 370/328, 370/331, 370/332, 370/401, 370/354, 455/406, 455/422, 455/12.1, 455/13.1, 455/13.2, 455/13.3, 455/33.1, 455/33.2, 379/220, 379/221, 709/239

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4980677</u>	December 1990	Hotta et al.	
<input type="checkbox"/> <u>5303286</u>	April 1994	Wiedeman	455/12.1
<input type="checkbox"/> <u>5327572</u>	July 1994	Freeburg	
<input type="checkbox"/> <u>5625867</u>	April 1997	Rouffet et al.	

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
37 06 240	September 1988	DE	
0 331 162	March 1989	EP	
0 317 974	May 1989	EP	
0 503 813	March 1992	EP	
0 506 255	September 1992	EP	
0 536 033	September 1992	EP	
0 536 921	September 1992	EP	
0 617 566	August 1993	EP	
0 562 374	September 1993	EP	
0 568 778	November 1993	EP	
0 658 014	December 1994	EP	
2 275 588	February 1994	GB	
2 281 014	August 1994	GB	
WO 91/15071	March 1991	WO	
WO 92/00632	March 1991	WO	

OTHER PUBLICATIONS

Weideman et al., "The Globalstar Mobile Satellite System For Worldwide Personal Communications", NASA Reference Publication 1274, pp. 290-297, Feb. 1992.

Hatlelid et al., "The Iridium.TM. System Personal Communications Anytime, Anyplace", pp. 285-290.

Balasekar et al., "Adaptive Map Configuration and Dynamic Routing to Optimize the Performance of a Satellite Communication Network", IEEE, pp. 986-988, dated 1993.

Priscoli, Delli F., "Architecture of an Integrated GSM-Satellite System", European Transactions on Telecommunications and Related Technologies, vol. 5, No. 5, pages 91-99, XP000470682, 1994.

Leopold R. J. et al., The Iridium.TM./SM. Communications System, IEEE MTS International Microwave Symposium Digest, vol. 2, pp. 575-578, XP000630487, 1993.

Re Del E., et al., "Architectures and Protocols for an Integrated Satellite-Terrestrial Mobile System", Proceedings of the International Mobile Satellite Conference, pp. 137-142, XP000600725, 1993.

Corazza, G.E., "Handover Procedures In Integrated Satellite And Terrestrial Mobile Systems", Proceedings of the International Mobile Satellite Conference, pp. 143-148, XP002017345, 1993.

ART-UNIT: 2664

PRIMARY-EXAMINER: Chin; Wellington

ASSISTANT-EXAMINER: Duong; Frank

ATTY-AGENT-FIRM: Banner & Witcoff, Ltd.

ABSTRACT:

A communication system for communication with a plurality of mobile terminals. A plurality of earth stations are arranged to communicate with mobile users via a plurality of orbiting satellites. A plurality of gateway stations interconnect terrestrial equipment with the earth stations and a store stores access data for the mobile terminals. The mobile terminals are divided into first and second categories, the store retaining corresponding different status information and both the first and second categories communicating with the satellites. Also provided are first and second different communication channels between the gateway stations and the earth stations, and a route control system for selecting one of the first and second channels, in dependence upon the category of a mobile terminal.

40 Claims, 20 Drawing figures

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